

STRAZA MODEL 1201

M I C R O F I L M P R I N T E R * * * * *

The model 1201 Microfilm Printer is an off-line computer output device that will accept six bit tape characters plus a parity bit from most of the magnetic tape transports that are in use today.

Its input logic performs lateral and transverse parity check and controls start and stop of the tape automatically. The design of the input logic is flexible so that it can be adapted to the special needs of the tape unit that it will be working with.

The logic circuits assemble six bit tape characters to 36 bit words, interpret commands, steer and sequence data to other circuits and generate control pulses for internal use in the microfilm printer.

In plotting mode a selected symbol or a dot may be positioned at any of the approximately 1.8 million possible locations on the 1320 by 1360 plotting matrix.

In the typewriter mode of operation, each six bit tape character selects any one of the 64 symbols that are available and positions them with 132 to each line and 68 lines to each page. This format may be varied by programming spaces, line reset, page advance, etc.

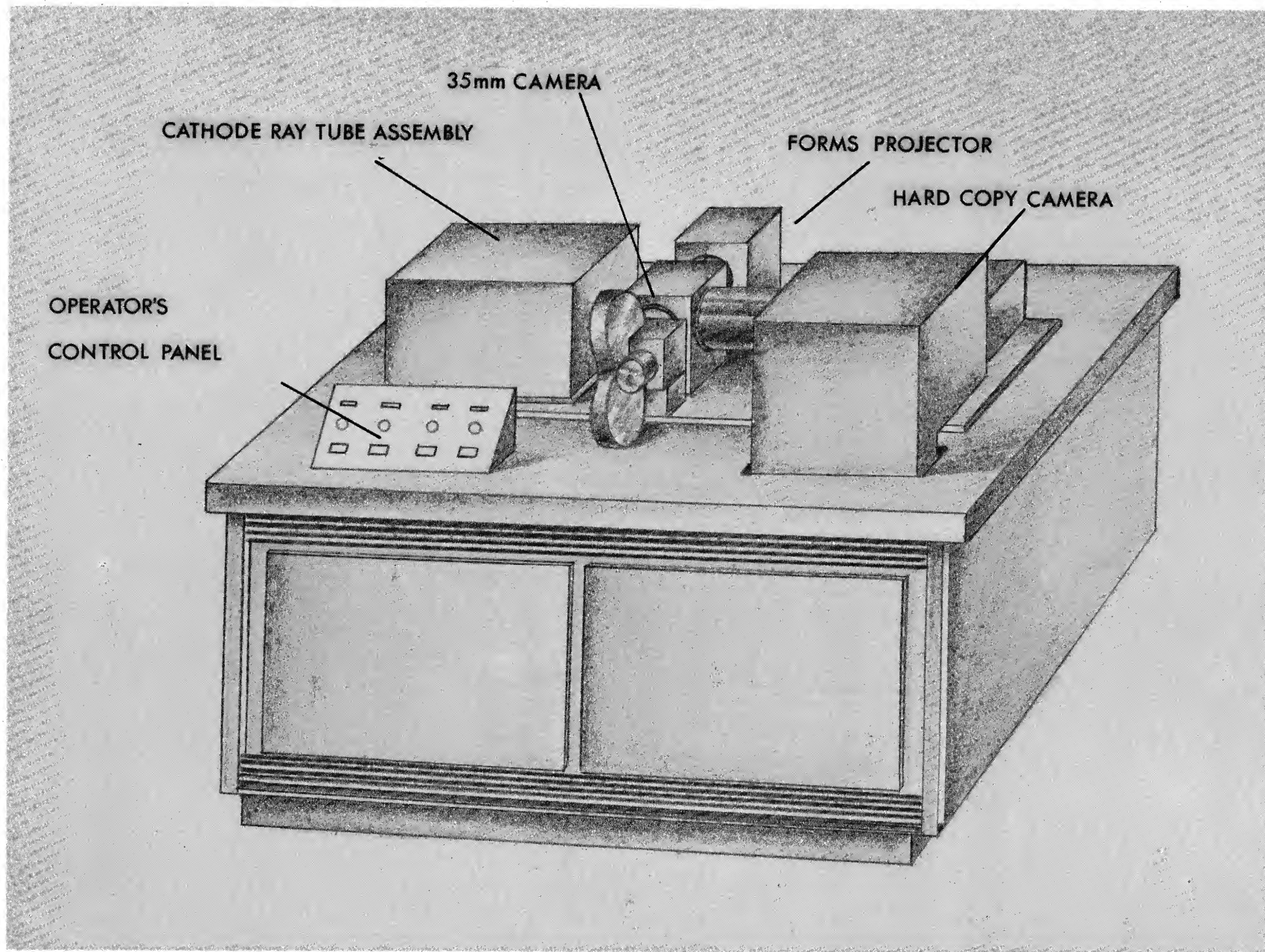
The 64 symbols are generated in the Model 11-64 symbol generator, which is one of the modules designed for the microfilm printer. Each symbol is formed from up to sixteen dots located at the intersections of a 15 X 16 grid line system. The symbol generator can generate up to

140,000 symbols per second but due to additional time needed for beam positioning, the operating speed of the printer is 62,500 symbols per second in either mode of operation.

The positioning information is converted from digital to analog form, added to the output from the symbol generator and impressed on the deflection yoke which is part of the display system. The alphanumeric symbols appear as lighted areas on the cathode ray tube and can be photographed by means of a high quality, high speed 35mm camera. Frame advance is under tape control and can be completed in approximately $3\frac{1}{4}$ milliseconds.

Options:

1. The Straza Model 52 Line Generator causes straight lines to be drawn between any two points on the format.
2. The Straza Model 32 Hard Copy Camera will supply an alternate output on 8-1/2 X 11 inch photographic paper. It is available in two versions, one for on-line paper processing and the other for off-line processing.
3. The Straza Model 41 Forms Projector makes it possible to produce as an overlay, any standard business form. Exposure is controlled by the magnetic tape.



Straza Model 1201 Microfilm Printer

STRAZA INDUSTRIES



DIVISIONS: Metal Components / Electronics / Chemical Milling

- November 30, 1964 -

Mr. T. Nelson
Systems Consultant
Box 1546
Poughkeepsie, New York

Dear Mr. Nelson:

In response to your inquiry about the Straza Model 1201 Printer / Plotter we are pleased to include herewith a copy of our product specification #8-70000045 describing the printer.

The Model 1201 represents the ultimate in speed, accuracy, and stability. It is an off-line machine that operates in BCD language from most magnetic tape units.

We would like to draw your attention also to the on-line version which carries the Model number 1211, and to the simplified Model 1311, which are both binary machines.

We look forward to hearing from you, and if additional information is needed, we will be happy to supply it upon request.

Sincerely,

STRAZA INDUSTRIES
Las Vegas Division

- A. T. Nielsen -
Manager

ATTN:b
Enclosure